

Signal for targeting Molecules to the Sarco(endo)plasmic Reticulum.ST25  
SEQUENCE LISTING

<110> Reed, Thomas D

<120> Signal for Targeting Molecules to the Sarco(endo)plasmic Reticulum

<130> SR RPA

<140> US 60/430322

<141> 2003-11-28

<150> US 60/430322

<151> 2002-12-02

<160> 6

<170> PatentIn version 3.2

<210> 1

<211> 30

<212> PRT

<213> Mus musculus

<400> 1

Gln Ala Arg Gln Asn Leu Gln Asn Leu Phe Ile Asn Phe Cys Leu Ile  
1 5 10 15

Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile Val Met Leu Leu  
20 25 30

<210> 2

<211> 30

<212> PRT

<213> mus musculus

<400> 2

Gln Ala Arg Gln Asn Leu Gln Asn Ala Phe Ile Ala Phe Cys Leu Ile  
1 5 10 15

Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile Val Met Leu Leu  
20 25 30

<210> 3

<211> 108

<212> DNA

<213> mus musculus

<400> 3

atgcatgaga gaaggcctca ggccaggcag aacctccaga atgctttcat tgctttttgt 60

ctgattctca tctgcctcct gctgatttgc attatcgtca tgctcctg 108

<210> 4

<211> 108

<212> DNA

Signal for targeting Molecules to the Sarco(endo)plasmic Reticulum.ST25  
 <213> mus musculus

<400> 4  
 caggagcatg acgataatgc aaatcagcag gaggcagatg agaatcagac aaaaagcaat 60  
 gaaagcattc tggaggttct gcctggcctg aggccttctc tcatgcat 108

<210> 5  
 <211> 135  
 <212> DNA  
 <213> mus musculus

<400> 5  
 gagagaaagc ttatgcatga gagaaggcct caggccaggc agaacctcca gaatgctttc 60  
 attgcttttt gtctgattct catctgcctc ctgctgattt gcattatcgt catgctcctg 120  
 ctcgaggaga gagag 135

<210> 6  
 <211> 135  
 <212> DNA  
 <213> mus musculus

<400> 6  
 ctctctctcc tcgagcagga gcatgacgat aatgcaaadc agcaggaggc agatgagaat 60  
 cagacaaaaa gcaatgaaag cattctggag gttctgcctg gcctgaggcc ttctctcatg 120  
 cataagcttt ctctc 135

Signal for targeting Molecules to the Sarco(endo)plasmic Reticulum.WorkFile  
Individual Applicant

-----  
Street : 1512 Northview Avenue  
City : Cincinnati  
State : Ohio  
Country : US  
PostalCode : 45223  
PhoneNumber : 513-542-7742  
FaxNumber : 513-631-4368  
EmailAddress : tdreed@genomatix.com  
<110> LastName : Reed  
<110> FirstName : Thomas  
<110> MiddleInitial : D  
<110> Suffix :

Application Project

-----  
<120> Title : Signal for Targeting Molecules to the Sarco(endo)plasmic Reticulum  
<130> AppFileReference : SR RPA  
<140> CurrentAppNumber : US 60/430322  
<141> CurrentFilingDate : 2003-11-28

Earlier Applications

-----  
<150> PriorAppNumber : US 60/430322  
<151> PriorFilingDate : 2002-12-02

Sequence

-----  
<213> OrganismName : Mus musculus  
<400> PreSequenceString :  
QARQNLQNLF INFCLILICL LLICIIIVMLL 30  
<212> Type : PRT  
<211> Length : 30  
SequenceName : phospholamban transmembrane domain  
SequenceDescription :

Sequence

-----  
<213> OrganismName : mus musculus  
<400> PreSequenceString :  
QARQNLQNAF IAFCLILICL LLICIIIVMLL 30  
<212> Type : PRT  
<211> Length : 30  
SequenceName : mutated phospholamban transmembrane domain  
SequenceDescription :

Sequence

-----  
<213> OrganismName : mus musculus  
<400> PreSequenceString :  
atgcatgaga gaaggcctca ggccaggcag aacctccaga atgctttcat tgctttttgt 60  
ctgattctca tctgcctcct gctgatttgc attatcgtca tgctcctg 108  
<212> Type : DNA  
<211> Length : 108  
SequenceName : mutated phospholamban transmembrane domain, sense strand  
SequenceDescription :

Sequence

-----  
<213> OrganismName : mus musculus  
<400> PreSequenceString :

Signal for targeting Molecules to the Sarco(endo)plasmic Reticulum.WorkFile  
 caggagcatg acgataatgc aaatcagcag gaggcagatg agaatcagac aaaaagcaat 60  
 gaaagcattc tggaggttct gcctggcctg aggccttctc tcatgcat 108

<212> Type : DNA

<211> Length : 108

SequenceName : mutated phospholamban transmembrane domain, anti-sense strand  
 SequenceDescription :

Sequence

-----

<213> OrganismName : mus musculus

<400> PreSequenceString :

gagagaaagc ttatgcatga gagaaggcct caggccaggc agaacctcca gaatgctttc 60  
 attgcttttt gtctgattct catctgcctc ctgctgattt gcattatcgt catgctcctg 120  
 ctcgaggaga gagag 135

<212> Type : DNA

<211> Length : 135

SequenceName : mutated phospholamban transmembrane domain with flanking  
 restriction sites and random nucleotides, sense strand  
 SequenceDescription :

Sequence

-----

<213> OrganismName : mus musculus

<400> PreSequenceString :

ctctctctcc tcgagcagga gcatgacgat aatgcaaadc agcaggaggc agatgagaat 60  
 cagacaaaaa gcaatgaaag cattctggag gttctgcctg gcctgaggcc ttctctcatg 120  
 cataagcttt ctctc 135

<212> Type : DNA

<211> Length : 135

SequenceName : mutated phospholamban transmembrane domain with flanking  
 restriction sites and random nucleotides, anti-sense strand  
 SequenceDescription :